

ABSTRACT

The present invention provides vaccines and methods for making the vaccines that actively or passively protect an equid or other animal against *Sarcocystis neurona*. In particular, the present invention provides vaccines that provide active immunity which comprise a polypeptide or DNA vaccine that contains or expresses at least one epitope of an antigen that has an amino acid sequence substantially similar to a unique 16 ( $\pm 4$ ) kDa antigen and/or 30 ( $\pm 4$ ) kDa antigen of *Sarcocystis neurona*. The present invention further provides a vaccine that provides passive immunity to *Sarcocystis neurona* comprising polyclonal or monoclonal antibodies against at least one epitope of an antigen substantially similar to a unique 16 ( $\pm 4$ ) kDa antigen and/or 30 ( $\pm 4$ ) kDa antigen of *Sarcocystis neurona*.

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